

WHAT IS CLAIMED IS:

1. A closed-form HEAD EXPANDER for testing a testing object placed on a vibrating table and measuring data by inducing the testing object to vibrate by a vibrating tester; the closed-form HEAD EXPANDER
5 comprising:

a table surface; a plurality of screw holes being formed on the table surface; a plurality of via holes being formed on the edge surfaces of the table surface; one end of each edge surface having a curved side;

a trumpet body with a plurality of cambered surfaces downwards
10 reduced from the curved side; a plurality of through holes being formed on the trumpet body;

an outer annular supporter and an inner annular supporter being connected to and support the trumpet body so as to form a first receiving space and a second receiving space, respectively;

15 a plurality of spacing ribs being formed within the inner annular supporter; the plurality of spacing ribs being connected to a central shaft; a plurality of long grooves being formed between the inner annular supporter, the spacing ribs, the central shaft, and a table bottom; an upper end of each spacing rib between the inner annular supporter and the central shaft being
20 formed with a plurality of screw holes;

a plurality of cambered sloped surfaces being formed on the surface of the trumpet body and connected to the inner annular supporter and the curved sides so as to equally space the surface of the trumpet body;

wherein in application, the vibrating table is fixed to the vibration
25 tester by screwing; then a testing object is placed on the table surface; a fixture serves to fix the testing object by screwing; the testing object is tested by the vibration tester; since the vibrating table is a close form vibrating table, the gravitational center thereof is stable; thereby, precise testing data about the testing object is measured.

30 2. The closed-form HEAD EXPANDER as claimed in claim 1, wherein the vibrating table is a round disk shape vibrating table and the surfaces of

the trumpet body are concave cambered surfaces.